

ABSTRACT OF THE DISCLOSURE

5 A partial directory cache records addresses of blocks which are known to be
cached in a non-exclusive state in any caches currently caching the blocks. If a read
command to a block recorded in the partial directory cache is received, one or more
probes corresponding to the command may be inhibited. Since probes are selectively
inhibited if an affected block is recorded in the partial directory cache, the size of the
partial directory cache may be flexible. If a particular block is not represented in the
10 partial directory cache, probes are performed when the particular block is accessed (even
if the particular block could have been represented in the partial directory cache). Thus,
coherency is maintained even if every non-exclusively cached block is not represented in
the partial directory cache.